

ASN (RDA) Chief Systems Engineer



Engineering Role in Item Unique Identification

IUID

30 July 2009



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Why is it Important?

GAO Concerned With DOD Management of its Inventory of Equipment

- DOD lacked adequate accountability over material shipments or effective monitoring of defective spare parts GAO-02-477G (Mar 02)

SOLUTION - Item Unique Identification

- Consistently locate, control and value assets anywhere and anytime

A Barcode Which Follows Several Key Rules



IUID Policy/Guidance Directly Impacting Engineers

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SYSTEMS
ENGINEER

POLICY

- DODI 5000.02
 - IUID Plan now annex to the SEP
- DoD Instruction 8320.04 (IUID Implementation Plan)
 - MS A (summarized in SEP)
 - MS B (annex to SEP)
 - MS C (annex to SEP)

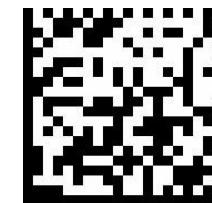
**Integral Part of Life Cycle Support
Needs to be Designed into the Product**



Engineering Role

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SYSTEMS
ENGINEER

- Be Part of Establishing IUID Strategy
 - Supports Sustainment Strategy
- Determine What to Mark
 - Serially Managed, Controlled Inventory, Mission Critical
- Determine How to Mark
 - IUID/RFID
 - Contact Button, Barcode, Inkjet
- Determine Where to Mark
 - Is it accessible?
 - Will it interfere with interfaces?
- Determine Who Will Mark
 - New Items: Manufacturer
 - Legacy Items: Program Office, Sustainer
- Include Marking in Technical Data Package
 - Must be on the item
 - Must be in the drawings
- Lessons Learned



**Applies to Hardware, Software,
Consumables, Support Equipment, and
Ground Test Equipment**



Benefits of IUID

- **Properly Implemented IUID Will:**
 - Improve inventory accuracy
 - Eliminate unnecessary spares
 - Enable automatic capture of data
 - Inventory and engineering purposes
 - Improve ability to trace parts and identify true causal factors
 - Reduce Operations and Supports costs
 - Reduce data entry errors
 - Improve failure data reporting and analysis
 - Increase knowledge and identify necessary reliability improvements

**Requires Engineering and Logistician
Collaboration**